

APPENDIX 8.3C

Resumes of Cultural Resources Staff

James C. Bard

Cultural Resource Specialist

Education

Ph.D., Anthropology, University of California, Berkeley, 1979

M.A., Anthropology, University of California, Berkeley, 1976

B.A., Anthropology, University of California, Berkeley, 1974

Professional Registrations

Society for California Archaeology, Approved Consultant

Society of Professional Archaeologists (ROPA)

California Lifetime Junior College Teaching Credential, Anthropology

Distinguishing Qualifications

Founded, owned, and managed Basin Research Associates, Inc., a cultural resource management consulting firm in the San Francisco Bay area (1977-1993)

Twenty-five years of archaeological experience in the western United States

Over 25 professional publications in the field of cultural resources

Developed patination dating technique for Great Basin

Relevant Experience

Dr. Bard is responsible for directing cultural resource management projects for CH2M HILL. He has extensive experience in prehistoric archaeology, cultural resource management, and small business management. He has been extensively involved in the management of and/or participation in cultural resource investigations in compliance with the National Environmental Policy Act, the National Historic Preservation Act, and a variety of other federal cultural resource regulations. He has extensive experience in the implementation of cultural resource investigations to meet the requirements of the California Environmental Quality Act (CEQA) and the Washington State Environmental Policy Act (SEPA).

Dr. Bard is a cultural resources management specialist with a broad technical and geographical background in all aspects of cultural resource assessment and regulatory compliance. He has 21 years of professional experience in the design and management of cultural resource components of EAs, EIRs, and EISs for federal, state, and municipal agencies, private industry, the military, and the scientific community. His specialties include program management, coordination of technical analyses, research design formulation, Section 106 compliance, Native American and general client liaison, human resources management, and marketing. Dr. Bard's research interests include California, Great Basin, and Columbia Plateau archaeology and ethnology, scientific applications in archaeology (archaeometry), cultural ecology, paleoenvironmental reconstruction, lithic technology and experimental archaeology, prehistoric rock art, archaeological methods and theory, and cultural resource management. He has completed projects located throughout California, the Great Basin, and Pacific Northwest, and has experience in the northwestern Plains (Alberta) and the Southwest (Arizona).

Prior to joining CH2M HILL in 1993, Dr. Bard held a 50 percent ownership and served as a Principal of Basin Research Associates, Inc. [BASIN] for more than 16 years. BASIN is

headquartered in the San Francisco Bay Area and serves a broad array of clients throughout California and Nevada. Dr. Bard and a partner founded BASIN in 1977 while completing their graduate studies at U.C. Berkeley. During Dr. Bard's 16-year tenure with BASIN, over 1000 individual projects were completed by the firm. Dr. Bard has served as Principal or Co-Principal Investigator for over 350 cultural resource assessments associated with urban and rural land planning, the development of water, energy, and mineral resources, and urban development throughout northern and central California and Nevada.

In addition, Dr. Bard served as principal or co-principal investigator for over 30 cultural resource mitigation programs throughout northern and central California, which involved site testing and data recovery operations. He served as a discipline specialist or project archaeologist for over 50 cultural resource mitigation programs throughout northern and central California and Nevada which involved site testing and data recovery, extended laboratory analysis, and/or specialized scientific analysis. Over the years, Dr. Bard has provided consultations to public agencies, private land developers, and architects and engineers.

Prior to founding BASIN, Dr. Bard worked as a teaching assistant in the Department of Anthropology, at the University of California, Berkeley, for such courses as Introduction to Prehistoric Archaeology, Science and Archaeology and Archaeology and Society (1974-1976). He was also a guest researcher, conducting archaeometric studies, at the Lawrence Berkeley Laboratory at U.C. Berkeley (1974-1979) and a volunteer assistant at the Pheobe Apperson Hearst Museum of Anthropology (formerly the Robert H. Lowie Museum of Anthropology) (1970-1972). He also served as a volunteer staff Archaeologist with the University of California, Los Angeles, Archaeological Survey (1969-1970).

Representative Projects

Energy/Power and Communication Transmission/Distribution

Principal investigator for cultural resource assessment for Pacific Gas and Electric Company's Tri-Valley Project, Amador and Livermore Valleys, California. Surveys and siting studies for new electrical transmission generating capacity and delivery for Dublin, Pleasanton, and Livermore, California.

Project manager for the cultural resource program for Pacific Gas Transmission Company's Pacific Northwest Expansion Project in Oregon. This multi-year project (1993-1994), which is being licensed by the Federal Energy Regulatory Commission (FERC), requires compliance with a number of Federal and state cultural resource laws and regulations. The cultural resource program requires the coordination and management of a team of subconsultant specialists in archaeology, history, ethnology, ethnohistory, and other related disciplines; and coordination and liaison with Federal and state agencies and Native American Tribal groups. The program will include archaeological survey, testing, and data recovery operations, and implementation of a Native American participation program.

Cultural resource specialist for Tuscarora Pipeline Company's application to the Federal Energy Regulatory Commission (FERC) for a Certificate of Public Convenience and Necessity in Oregon, California, and Nevada. Supervised subconsultant's preparation of the cultural resource element to the Resource Report, provided senior review, and identified subconsultants for subsequent work phases.

Cultural resource specialist for SAI Soledad Energy, Inc.'s Soledad Biomass Power Plant cultural resource assessment. Served as Principal Investigator for a cultural resource assessment of a proposed biomass power plant in Soledad, Monterey County, California. Conducted research, supervised the field survey and prepared the technical report.

Cultural resource specialist for the Northwest Power Enterprises, Inc.'s Starbuck Gas-Fired Generating Plant Project, Columbia County, Washington. Served as Principal Investigator for a 120-acre survey and subsurface testing program of the proposed and alternative generating plant sites, assisted with Tribal consultations and evaluation of traditional cultural properties, and co-authored two technical reports.

Cultural resource specialist for the preparation of a National Park Services Bulletin 38 "Traditional Cultural Property" (TCP) investigation for the proposed Lorella Pumped Storage Electrical Generating Plant, Klamath Falls, Oregon. Conducted interviews with Modoc tribal elders and prepared a preliminary TCP evaluation report.

Project manager for the cultural resource inventory of 1600 acres along the Columbia River near Vernita Bridge at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed a large scale survey of DOE lands along the southern bank of the Columbia River using a predominantly Native American work crew composed of Wanapum, Nez Perce, and Yakama tribal members. Served as Principal Investigator and lead author of the technical report.

Project manager for the cultural resource inventory of seven proposed basalt quarries at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed a 685 acre survey of proposed quarry site and served as Principal Investigator and lead author of the technical report.

Project manager for the cultural resource inventory of the former Central Shops Complex and five Antiaircraft Artillery installations along Army Loop Road at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed the field investigations and served as Principal Investigator and lead author of the technical report.

Project manager and principal investigator for the preparation of a historic context statement pertaining to the Ethnographic/Contact Period (Lewis and Clark 1805-Hanford Engineer Works 1943) for the U.S. Department of Energy's Hanford Site in Richland, Washington.

Project manager and principal investigator for the preparation of a historic context statement pertaining to the Pre-1943 Settlement/Farmstead Period (Lewis and Clark 1805-Hanford Engineer Works 1943) for the U.S. Department of Energy's Hanford Site in Richland, Washington.

Principal investigator for the preparation of a Traditional Cultural Properties Management Plan for the U.S. Department of Energy's Hanford Site in Richland, Washington, based on tribal elder testimony provided at a workshop sponsored by Battelle Pacific Northwest Laboratory.

Co-principal investigator for the preparation of a Curation Strategy for the U.S. Department of Energy's Hanford Site in Richland, Washington - a document that will guide DOE's curation of Manhattan Project and Cold War artifacts and records. Recommendations by members of an invited panel of nationally recognized museum professionals, that met at the curation workshop sponsored by Battelle Pacific Northwest Laboratory, are included in the strategy document.

Senior consultant to the Bonneville Power Administration (BPA). Assist BPA with peer review, program management, and provide technical support to BPA's cultural resource program manager. Bonneville Power Administration, Department of Energy, Portland, Oregon.

Principal investigator for the cultural resource clearance work associated with the construction of underground repeater boxes located in the Deschutes National Forest for U.S. West Communications Company, Bend, Oregon.

Principal investigator for the cultural resource assessment of the Vansycle Wind Farm Project in Umatilla County, Oregon for ESI Energy, Inc. (Florida Power and Light), North Palm Beach, Florida.

Task leader for the preparation of the cultural resource element of the NEPA EIS for the Bond Falls, Bergland, Cisco Lakes, and Victoria Developments, Upper Peninsula, Ontonagon River, Michigan. EIS for the Federal Energy Regulatory Commission (FERC Project No. 1864).

Principal investigator for the cultural resource assessment of the Delta Energy Center Project in Contra Costa County, California for Calpine/Bechtel, San Francisco, California. Delta Energy Center is a 700+ MW gas-fired power plant licensed by the California Energy Commission.

Principal investigator for the cultural resource assessment of the Metcalf Energy Center Project in Santa Clara County, California for Calpine/Bechtel, San Francisco, California. Metcalf Energy Center is a 600 MG gas-fired power plant licensed by the California Energy Commission.

Professional Activities

1990 - present, Peer Reviewer, Journal of Field Archaeology

1986 - present, Peer Reviewer, Society for Archaeological Sciences Bulletin

1977 - present, Public Service, group/individual, career counseling, artifact/antiquities review

Honors and Awards

1970-79 - Dean's Honors List, University of California, Berkeley

1974 - A.B. with Distinction in General Scholarship, University of California, Berkeley

1976 - Robert H. Lowie Scholarship in Anthropology, University of California, Berkeley

1985 - American Committee for the Preservation of Archaeological Collections - Certificate of Appreciation

Memberships in Professional Organizations

American Anthropological Association

American Committee for the Preservation of Archaeological Collections

Archaeological Institute of America

Association for Field Archaeology

Association for Washington Archaeology

Association of Oregon Archaeologists

California Committee for the Promotion of History

Great Basin Anthropological Conference

National Trust for Historic Preservation

Nevada Council of Professional Archaeologists

Society for American Archaeology

Society for Archaeological Science

Society for California Archaeology

Society for Historic Archaeology

Register of Professional Archaeologists

Jim Sharpe

Archaeologist

Education

M.S., Resource Management, Central Washington University (1997)

B.S., Anthropology, Central Washington University (1994)

Distinguishing Qualifications

Cultural and Natural Resource Management

Prehistoric and Historic Archaeology

Extensive Native American Tribal experience

Historical Research

Relevant Experience

Mr. Sharpe has 8 years of experience in cultural resources with extensive and unique experience with prehistoric and historic sites along almost 150 miles of the Columbia River shoreline and numerous islands. His vast experience at the Department of Energy's Hanford Site include: completion of cultural resource reviews for compliance of Section 106 of the National Historic Preservation Act, historic research, site inspection, archaeological survey, site monitoring, subsurface testing, excavation, site evaluations, technical report writing, and tribal liaison for the Yakima, Umatilla, Nez Perce, and Wanapum Tribes.

Cultural Resource Specialist for the CH2M HILL Company: responsibilities include maintaining a good working relationship with Native American Tribes, archaeological survey, research on cultural resource projects, recording sites and isolates, subsurface testing, excavation, monitoring, site evaluation, technical report writing, use of topographic maps, aerial photographs, and camera equipment.

In 1999, Mr. Sharpe was part of a team of CH2M Hill archaeologists performing fieldwork near Hoover Dam in Nevada. Prehistoric sites were mapped and artifact types analyzed.

In 1999, Mr. Sharpe was part of a team of archaeologists that performed a series of excavations at a site in Sherwood, Oregon for a federal highway project.

In 1999, he represented CHM2HILL in an archaeological survey on a portion of Owens Lake near Lone Pine, California.

In 1998, Mr. Sharpe assisted Pacific Northwest National Laboratories (PNNL) with three archaeological surveys, site recording, historical research and report preparation.

In 1997, he assisted PNNL as project lead for a cutbank-monitoring project. About 80 cutbanks were monitored to assess damage to archaeological sites and possible exposure of human remains from recent high water.

Prior to working with CH2M HILL, Mr. Sharpe was a contract archaeologist with the Grant County Public Utility District. Experience included archaeological fieldwork, project lead for

a survey project with Native Americans, site recording and updates, and historical research for the Priest Rapids and Wanapum Reservoirs of the mid-Columbia River.

Additional experience includes: six weeks of archaeological fieldwork and two spring archaeological field schools at Central Washington University, excavation experience with Eastern Washington University, survey with Northwest Archaeological Associates on scattered tracts of land in the Wenatchee National Forest.

Publications

Masters Thesis: Issues and Conflicts in the Management of the Public Domain of the Saddle Mountains in Eastern Washington: A Case Study.

Archaeological Survey of 56 Preselected Parcels on the Arid Lands Ecology Reserve. BHI-01268, Richland, Washington.

Chinese Gold Miners of the Mid-Columbia Region. BHI-01316, Richland, Washington.

Pre-Hanford Agricultural History: 1900-1943. BHI-01326, Richland, Washington.

Specialized Training

Workshop for new section 106 regulations 11/29-11/30/99

40 Hour Hazardous Waste Training

First Aid Training

Public Consultant Pesticide License

Robin D. McClintock

Cultural Resource Specialist

B.S. Anthropology, Oregon State University, 1981

Relevant Experience

Mr. McClintock is responsible for directing and conducting cultural resource projects for CH2M HILL. Mr. McClintock has had formal educational training in archaeology and has been working in for over 15 years and has experience in prehistoric archaeology, historic research, and historic preservation and tribal consultations. He has been extensively involved in preparing cultural resource surveys and site evaluation reports in compliance with the National Environmental Policy Act, the National Historic Preservation Act and Executive Order 11593, and the Washington State Environmental Policy Act.

Having designed and conducted cultural resource surveys for more than 75 projects, Mr. McClintock has prepared cultural resource mitigation and site management plans, and determinations of National Register eligibility. He has recorded and evaluated a wide range of historic and prehistoric resources, including Native American, mining, ranching, transportation, and governmental properties.

Representative Projects (1994-1999)

- Conducted preliminary Cultural Resource investigations for Northwest Naturals Phase IV-V Corridor Selection Project.
- Currently conducting archaeological investigations near Dallesport, Wa.. The investigation includes archaeological and rock art surveys as well as extensive and long term consultation and negotiations with the Confederated Tribes of the Yakama Indian Nation.
- Currently conducting archaeological investigations for Reynold's Aluminum in Troutdale, Oregon. Investigations include surface survey as well as subsurface testing.
- Currently conducting archaeological monitoring of Vancouver's Southside Diversion Force main project.
- Currently conducting archaeological investigations for Washington County, Oregon's Beef Bend-Schools/Sherwood- Elsner Road improvement project. Investigations includes formal evaluation testing of archaeological site 35-MU-43.
- Conducted a cultural resource survey and limited subsurface archaeological testing program at site 45-CL-427 for the USACE Section 404 permitting of the Vancouver-Orchards Forcemain Project for the City of Vancouver, Washington
- Conducted a cultural resources reconnaissance, subsurface archaeological testing, and construction monitoring programs for the proposed expansion of the Salmon Creek Wastewater Treatment Plant, Clark County, Washington, for Clark County Department of Public Works. Co-authored technical report.
- Conducted cultural resource investigations for Battelle, Inc. on the Hanford Nuclear Reservation of over 200 acres along the Columbia River for Federal Section 109

Robin D. McClintock

inventory compliance. As part of the project, developed participatory and consulting relationships with local Native American tribes.

- Conducted cultural resource investigations for NASA's X-33 project involving expansion of airfield at U.S. Air Army Dugway Proving Grounds, Utah.
- Conducted cultural resource investigations for the Federal Highway Administrations (FHWA) Hoover Dam Bypass project. Consultations with Bureau of Reclamation, Arizona and Nevada State Historic Preservation Offices, and concerned Native American tribes conducted.
- Conducted cultural resource investigations in support of an EIS for a water project for Coos Bay/North Bend Water Board involving a 16 mile pipeline and the raising of the water level of two existing reservoirs. Consulted with Forest Service and local Native American tribes regarding existing water rights as well as disposition of potentially sensitive cultural resource sites.
- Conducted cultural resource investigation for U.S. West Communications for the installation of eighteen electrical splice boxes along a twenty mile corridor on U. S. Forest Service land. Extensive consultations with U.S. Forest Service were conducted.
- Conducted cultural resource survey of the Scenic Evergreen Trail adjacent to the Evergreen Highway east of Vancouver, Washington. Extensive consultations with staff of the OAHF were conducted regarding potential significance of historic features along the highway. Sought and developed opportunities for historic interpretation along the trail route.
- Conducted a cultural resource investigation of approximately fifteen miles of the Oregon Department of Transportation's (ODOT) proposed Mt. Hood Parkway through rural lands between Troutdale, Oregon and State Highway 26.
- Conducted cultural resource survey for the California Department of Transportation of proposed I-5 highway construction and improvement project in Lathrop, California. Worked closely with Central California Information Center regarding file and literature searches.
- Conducted a cultural resource survey and literature review of approximately fifty miles of Union Pacific Railroad right-of-way from Pendleton, Oregon to Huntington, Oregon. Conducted consultations with the Confederated Tribes of the Umatilla Reservation and negotiated tribal subconsulting for ongoing ethnographic studies on tribal lands crossed by the railroad.
- Participated in cultural resource survey for the KVA-Starbuck Gas-Fired Generating Plant Project, Columbia County, Washington. Served as Field Archaeologist, conducted a 120 acre survey of the proposed generating plant site. Co-authored a technical report.
- Participated in the cultural resource inventory of seven proposed basalt quarries at the U.S. Department of Energy's Hanford Site in Richland, Washington. Co-authored technical report.

Robin D. McClintock

- Participated in the cultural resource inventory of the former Central Shops Complex and five Antiaircraft Artillery installations along Army Loop Road at the U.S. Department of Energy's Hanford Site in Richland, Washington. Co-authored technical report.
- Participated in the cultural resource assessment and inventory of the Vansycle Wind Farm Project in Umatilla County, Oregon for ESI Energy, Inc. (Florida Power and Light), North Palm Beach, Florida.
- Participated in cultural resources survey for the State Route 509/South Access Road Corridor EIS in King County, Washington for the Washington Department of Transportation, Seattle, Washington.
- Conducted cultural resources survey for the proposed intersection of U.S. Highway 99W and State Route SW 124th Avenue (Tualatin Road) in Washington County, Oregon for ODOT (Oregon Department of Transportation), Salem, Oregon. Authored technical report.
- Participated in the archaeological survey and subsurface testing program for the Edmonds Crossing (Multimodal Ferry, Rail, Road) Project in the City of Edmonds, Snohomish County, Washington for the City of Edmonds, the Washington Department of Transportation, and the Washington State Ferries. Co-authored technical report.
- Conducted field cultural resources reconnaissance of the Cozine Trunkline Replacement Project in the City of McMinnville, Yamhill County, Oregon, for the City of McMinnville, Oregon.
- Conducted a cultural resources reconnaissance for the proposed expansion of the Pacific Beach Wastewater Treatment Plant and installation of a community-wide sewage system in Pacific Beach/Moclips, Grays Harbor County, Washington for Grays Harbor County Public Works Agency.
- Conducted field reconnaissance for the Class III Cultural Resource Inventory of the primary operations and landing site for the X-33 Advanced Technology Demonstrator at the US Army Dugway Proving Ground, Utah for the George C. Marshall Space Flight Center (NASA), Alabama. Co-authored technical report.
- Participated in the cultural resources investigations for siting a proposed steel mill facility at either Coos Bay, Oregon or Hoquiam, Washington for NUCOR Steel Corporation, Portland, Oregon.
- Conducted cultural resource surveys for the proposed 190 acre Intel Corporation's Dupont, Washington research and development campus.

Robin D. McClintock

- Conducted field reconnaissance for a cultural resources reconnaissance of a 1400 acre sugarbeet processing plant near Moses Lake, Washington for Pacific Northwest Sugar Company (Imperial Holly Sugar).